



Gentrol®

IGR Concentrate

with Gentrol® Insect Growth Regulator

- CONTROLS COCKROACHES, DRAIN AND FRUIT FLIES, BEDBUGS, AND STORED PRODUCT PEST POPULATIONS
- USE IN FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS
- FOR FOGGING IN FOOD HANDLING ESTABLISHMENTS
- CONTINUOUS PROTECTION FOR 4 MONTHS

SPECIMEN LABEL

ACTIVE INGREDIENTS:

(S)-Hydroprene (CAS #65733-18-8

9%

OTHER INGREDIENTS*:

91%

Total

100%

*Contains petroleum distillates

EPA Reg No. 2724-351

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE ADDITIONAL PRECAUTIONARY STATEMENTS

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND

DOMESTIC ANIMALS – CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling.

FIRST AID

Call a poison control center or doctor immediately for treatment advice.

If swallowed

- Immediately call a poison control center or doctor.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes. Then continue rinsing eye.
If on skin or clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.
If inhaled	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-248-7763 for emergency medical treatment information.	
NOTE TO PHYSICIAN: Contains petroleum distillates. Vomiting may cause aspiration pneumonia.	

PHYSICAL OR CHEMICAL HAZARDS

Do not use this product in or on electrical portions of equipment due to the possibility of shock hazard.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

GENERAL INFORMATION

GENTROL®, an Insect Growth Regulator (IGR), is a synthetic, juvenile hormone "look-alike" which disrupts the normal growth development of cockroaches, drain flies, fruit flies, bedbugs, and stored product pests

(examples of these pests include Indian meal moths, rice moths, tobacco moths, red flour beetles, confused flour beetles, lesser grain borers, merchant grain beetles, sawtooth grain beetles, warehouse beetles, cigarette beetles, and Dermestid beetles). Cockroaches and bedbugs exposed to the GENTROL® IGR will become adults incapable of reproducing. GENTROL® also disrupts the normal life cycle of stored product pests, drain and fruit flies, and fleas; thus killing these insects during the pupal stage. In both cases, the cycle of an infestation ends. Use Zoëcon® GENTROL® IGR Concentrate (GENTROL®) in apartment buildings, bakeries, bottling facilities, breweries, boiler rooms, cafeterias, candy plants, grocery stores, day care centers, hospitals, residential homes, hotels/motels, office buildings, kitchens, laboratories, cereal processing facilities, manufacturing plants, mausoleums, meat and produce canneries, nursing homes, restaurants, schools, locker rooms, stores, taverns, warehouses, as well as various modes of transportation such as aircraft, buses, trucks, trailers, rail cars, and marine vessels.

Use GENTROL® as a general surface spray, fogging, spot, or crack and crevice application.

Prior to using in commercial or residential (household) food areas, please refer to the Food Handling Establishment Applications section of the label. The preparations prior to treatment and the clean up after application described therein are also to be followed for residential (household) use.

INSTRUCTIONS FOR USE

Mix GENTROL® with diluent and apply with spray or hand application equipment, such as hand-pressurized or power-operated sprayers capable of delivering general surface spray, fogging (space spray/mist), spot, crack and crevice spray applications, or with a paint brush, roller, or similar device.

DILUTION PREPARATION

FOR SURFACE SPRAY/PAINT BRUSH, SPOT AND CRACK AND CREVICE PREPARATIONS

Use 1 ounce of GENTROL® to 1 gallon of diluent. Partially fill the mixing container with diluent, add the GENTROL®, shake or stir, and fill to final volume. Use diluted solution within 48 hours of mixing. Shake or stir before each use. **For fogging preparation:** follow equipment manufacturer's instructions.

TANK MIXING

GENTROL® may be tank mixed with an adulticide currently registered for use, unless the product label prohibits such use. Use the resulting tank mixture in accordance with the more restrictive label limitations and precautions.

GENERAL SURFACE APPLICATION

Apply the GENTROL® dilution at a rate of 1 gallon per 1500 sq ft of surface area. Use spray/application equipment capable of delivering a variable spray or coating to uniformly apply the solution. Apply to

areas such as walls, floors, ceilings, attics, basements, or crawlspaces. **NOTE:** Prior to treating around air ducts, shut off ventilation system. Allow treatment to dry prior to turning on ventilation system.

FOGGING (SPACE SPRAY/MIST) APPLICATION

Apply GENTROL® as a fog or an ultra-low volume (ULV) mist with equipment such as ULV, mechanical misting sprayers, aerosol generators, or thermal foggers to achieve uniform coverage. Follow equipment manufacturer's instructions. Apply at a rate of 1 ounce GENTROL® per 12,000 cu ft. GENTROL® may be tank mixed with adulticides labeled for fogging. Follow the directions of the more restrictive label when tank mixing. Use water or oil as a diluent, depending on the type of equipment used. Fogging applications are best for larger facilities including warehouses (Refer to Warehouses section below). Close room or warehouse and shut off all ventilation systems. Apply the product in the air and direct mist toward all areas that may harbor target pests. After treatment, leave the room closed for 30 minutes or longer as recommended by the equipment manufacturer or the labels of other products applied in tank mixing. Do not remain in treated area; ventilate before reentry.

SPOT AND CRACK AND CREVICE APPLICATIONS

Apply GENTROL® diluted spray solution using either a pressurized spray system capable of delivering a pinpoint or variable spray pattern or a device capable of coating evenly. Make crack and crevice applications directly to areas such as crevices, baseboards, floors, ceilings, or walls. Make spot treatments to areas such as storage areas, closets, around water pipes, doors, windows, and behind and under appliances/equipment, furniture and beds.

To treat bedbugs, apply to harborage points mentioned above; in addition, under beds, bottom side of box springs (do not treat linens and mattresses), under and behind night stands, to points where carpet and wall meet, cracks in cove base, molding, and other areas where bedbugs harborage. Retreat at 14 days for heavy infestations.

WAREHOUSES (Non-Food)

Apply GENTROL® as a general surface, fogging, spot, or crack and crevice treatment in non-food storage warehouses. Apply to all areas that may harbor pests, including under and between pallets.

FOOD HANDLING ESTABLISHMENT APPLICATIONS

Apply GENTROL® as a general surface, fogging, spot, or crack and crevice treatment in both food and non-food areas of Food Handling Establishments. These establishments are defined as places other than private residences where exposed food is held, prepared, processed, or served. It also includes areas where food items are received, prepared, packaged, and stored, as well as enclosed food processing systems (mills, dairies, etc).

SPOT AND CRACK AND CREVICE APPLICATIONS

Prior to application, remove or cover all food items in area to be treated. Do not apply directly to food or food-handling surfaces.

FOR CONTROL OF DRAIN FLIES, FRUIT FLIES

Apply GENTROL® to areas of fly breeding. For drains, apply product into and around the downspout and catch basin area. Coat these areas thoroughly as fly larvae develop in the scum buildup on the sides of drain pipes. Repeat applications at 2 to 4 week intervals depending upon the severity of infestation.

ALTERNATE DIRECTIONS FOR FOAM APPLICATION

Refer to the **Dilution Preparation** section of this label for appropriate dilution rate for GENTROL®. To convert GENTROL® dilution to a foam, add foaming agent at manufacturer's rate. For best results, use the higher amount of the foaming agent rate range. Follow the requirements of the foam equipment manufacturer.

SURFACE SPRAY APPLICATION (DO NOT APPLY DIRECTLY TO FOOD PRODUCTS)

GENERAL AREA TREATMENTS

Prior to application, remove or cover all food items. Also, cover all food contact surfaces (i.e., equipment, benches, shelves - areas where exposed food may be handled, held, prepared, processed, or served). If left uncovered, these areas must be thoroughly cleaned by a method capable of removing chemical residues after treatment.

PARTIAL AREA TREATMENTS

GENTROL® can be applied to partial areas of food handling establishments in cases of small or localized infestations. For partial area treatments, a perimeter of at least 6 feet must be established (6 feet in all directions from the treated area), where all food handling surfaces are either covered at the time of treatment, or thoroughly cleaned by a method effective in removing chemical residues after treatment.

PANTRY/CABINETS, SMALL FOOD STORAGE AREAS

Apply as a surface spray, crack and crevice spray, or spot treatment to pantry and cupboard shelves or other areas where food is stored. Prior to spraying, remove all food containers and foodstuffs. Do not replace food containers or foodstuffs until spray has dried. Do not store food in open containers in treated pantries. Destroy any infested food packages to ensure proper control.

FOGGING (SPACE SPRAY/MIST) APPLICATION

Prior to application, remove or cover all food items. Also, cover all food contact surfaces (i.e.; equipment, benches, shelves - areas where exposed food may be handled, held, prepared, processed, or served). If left uncovered, these areas must be thoroughly cleaned by a method capable of removing chemical residues after treatment.

WAREHOUSES (Food)

Apply GENTROL® as a general surface, fogging, spot, or crack and crevice treatment in warehouses where packaged food items are stored in such a way that direct contact with the foodstuff is not anticipated.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **Storage:** Store in a cool area away from children. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **Container Handling:** Nonrefillable container. Do not reuse or refill empty container. Clean container promptly after emptying. Triple rinse as follows. Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY

Seller makes no warranty, expressed or implied, concerning the use and handling of this product other than indicated on the label. Buyer assumes all risks of use and handling of this material when such use and handling are contrary to label instructions.

For information, call **1-800-248-7763** or visit our Web site: **www.zoecon.com**

Wellmark International
1501 East Woodfield Road 200W
Schaumburg, Illinois 60173



MATERIAL SAFETY DATA SHEET
ZOECON GENTROL® IGR CONCENTRATE

Manufacturer: Wellmark International
Address: 1501 E. Woodfield Rd., Suite 200W, Schaumburg, IL 60173
Emergency Phone: 1-800-248-7763
Transportation Emergency Phone: CHEMTREC: 1-800-424-9300

1. CHEMICAL PRODUCT INFORMATION

Product Name: Zoecon Gentrol® IGR Concentrate
Chemical Name/Synonym: (S)-Hydroprene: (Ethyl(2E,4E,7S)-3,7,11-trimethyl-2,4-dodecadienoate
Chemical Family: Isoprenoid
Formula: C17 H30 O2
EPA Registration No.: 2724-351
RF Number: 259

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component (chemical, common name)</u>	<u>CAS Number</u>	<u>Weight</u>	<u>Tolerance</u>
(S)-Hydroprene: (Ethyl(2E,4E,7S)-3,7,11-trimethyl-2,4-dodecadienoate)	65733-18-8	9.0%	Not established
Inert ingredients (non hazardous and/or trade secret):		91.0%	Not established

3. HAZARD INFORMATION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION: KEEP OUT OF THE REACH OF CHILDREN. HARMFUL IF SWALLOWED OR ABSORBED THROUGH THE SKIN. CAUSES MODERATE EYE IRRITATION. AVOID CONTACT WITH EYES, SKIN OR CLOTHING. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

No known health conditions are aggravated by exposure to this product.

PRIMARY ROUTE OF ENTRY Dermal/Eye: Yes Oral: No Inhalation: No

ACUTE TOXICITY

Oral: No specific hazard identified

Dermal: No specific hazard identified. May cause moderate skin irritation

Inhalation: No specific hazard identified

OTHER TOXICOLOGICAL INFORMATION

Skin Irritation: Avoid contact with skin. May cause skin irritation

Eye Irritation: Avoid contact with eyes. May cause moderate eye irritation

Sensitizer: Is not a sensitizer.

4. FIRST AID MEASURES

- If in eyes:**
- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.
 - Call a poison control center or doctor for treatment advice.
- If on Skin:**
- Take off contaminated clothing.
 - Rinse skin immediately with plenty of water for 15-20 minutes.
 - Call a poison control center or doctor for treatment advice.
- If swallowed:**
- Immediately call a poison control center or doctor.
 - Do not induce vomiting unless told to by a poison control center or doctor.
 - Do not give **any** liquid to the person.
 - Do not give anything to an unconscious person.
- If inhaled:**
- Move person to fresh air.
 - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
 - Call a poison control center or doctor for further treatment advice.

Note to Physician: Contains petroleum distillates. Vomiting may cause aspiration pneumonia.

5. FIRE FIGHTING MEASURES

NFPA Rating:	Health: 2	Fire: 2	Reactivity: 0
Flammability Class:	Class IIIB (flash point $\geq 200^{\circ}\text{F}$)		
Flash Point:	200° F		
Explosive Limits (% of Volume):	Not known		
Extinguishing Media:	CO2, foam, water		
Special Protective Equipment:	Firefighters should wear full protective equipment including self contained breathing apparatus.		
Fire Fighting Procedures:	Normal procedures. Do not allow firefighting water to escape into waterways or sewers.		
Combustion Products:	Oxides of carbon and oxides of sulfur.		
Unusual Fire/Explosion Hazards:	None known		

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken:	Contain spill and do not allow to enter waterways. Soak up with absorbent material and place in a container for disposal.
Absorbents:	Clay granules, sawdust, dirt, or equivalent.
Incompatibles:	Strong oxidizers.

7. HANDLING AND STORAGE

- Handling:** Avoid inhalation of vapors and contact with skin, eyes, and clothing. Wash hands, arms and face thoroughly with soap and water after handling product. Do not use this product in or on an electrical portion of equipment due to possibility of shock hazard.
- Storage:** Do not contaminate water, food, or feed by storage or disposal. Store in a cool area away from children.

8. EXPOSURE CONTROL / PERSONAL MEASURES

Exposure Limits: Not established

Ventilation: Use with adequate ventilation.

Personal Protective Equipment: If prolonged exposure is anticipated, it is recommended for handlers to wear impermeable gloves, goggles and other protective clothing to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Straw colored liquid with mild petroleum solvent odor.

Boiling Point: Not known

Melting Point: Not applicable

Vapor Pressure (mm Hg): Not known

Vapor Density (Air = 1): Not known

Specific Gravity: 0.85

Bulk Density: 7.1 lbs/gal

Solubility: Emulsifies in water

Evaporation Rate: Not known

pH: 6.22

10. STABILITY AND REACTIVITY

Stability: Stable

Reactivity: Not reactive

Incompatibility w/ Other Materials: Strong Oxidizers

Decomposition Products: Carbon oxides, sulfur oxides

Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Acute oral toxicity: LD50 >5100 mg/kg

Acute dermal toxicity: LD50 >2100 mg/kg

Acute inhalation toxicity: 4-Hour LC50 >7.2 mg/L

Skin irritation: Moderate irritant

Eye irritation: Mild irritant

SUBCHRONIC TOXICITY [Specific to Active Ingredient(s)]

In a 90-day subchronic feeding study in rats, the NOEL was 50 mg/kg/day. Changes in body weight and organ weights were observed at higher dose levels. Liver and ovaries were identified as target organs.

No immunotoxic effects were observed in a study in mice when (S)-Hydroprene was fed (diet) at dose levels up to and including 1,200 mg/kg/day, continuously for 30 days.

CHRONIC TOXICITY/CARCINOGENICITY [Specific to Active Ingredient(s)]

A chronic toxicity/carcinogenicity study in rats identified ovaries and the thyroid as target organs. An increased incidence of benign thyroid tumors was present in male rats only at the highest dose tested. Increased weights and macroscopic and microscopic changes in the ovaries were observed at the highest doses. NOEL for males was 1,000 ppm and for females 100 ppm.

DEVELOPMENTAL/REPRODUCTIVE TOXICITY [Specific to Active Ingredient(s)]

Parental reproductive performance in rats remained unaffected up to a dose level of 7,500 ppm, when evaluated in a 2-generation reproduction/toxicity study. Histologically, all females of 7,500 ppm dose group had cytoplasmic vacuolation in the ovaries, but without affecting reproductive performance. The NOEL for pup development was 1,500 ppm.

No teratogenic or fetotoxic effects were observed in rats when pregnant animals were exposed (gavage) to (S)-Hydroprene at levels up to 1,000 mg/kg/day (highest dose tested). NOEL for maternal toxicity was 1,000 mg/kg/day. .

MUTAGENICITY [Specific to Active Ingredient(s)]

(S)-Hydroprene has been found negative for mutagenicity potential. It has tested negative in: 1) Ames Test, 2) in vivo cytogenetic assay, 3) micronucleus test (in vivo) and in 4) test for DNA effects - UDS in rats (in vitro).

12. ECOLOGICAL INFORMATION**ENVIRONMENTAL FATE [Active Ingredients Only]**

Hydrolysis: Not available

Photolysis: Not available

Soil half life: Not available

Water solubility: <2 ppm, emulsifies in water

ECOTOXICITY [Active Ingredients Only]

Acute Toxicity: Fish: Not available;
Aquatic invertebrates: Not available

13. DISPOSAL CONSIDERATIONS

Wastes resulting from use of this product should be disposed of in accordance with all federal, state and local requirements. For additional regulatory information, see section 15 of this document.

14. TRANSPORT INFORMATION

DOT49CFR Description: Not regulated

Freight Classification: Insecticides, other than poison, N.O.I. NMFC-155050 SUB 11 Class 70

15. REGULATORY INFORMATION

CERCLA (Superfund): Not regulated as hazardous

RCRA: Not regulated as hazardous

SARA 311/312 HAZARD CATEGORIES

Immediate Health: Yes (Irritant)

Delayed Health: No

Fire: No

Sudden Pressure: No

Reactivity: No

The information presented herein, while not guaranteed, was prepared by technically knowledgeable personnel and to the best of our knowledge is true and accurate. It is not intended to be all inclusive and the manner and conditions of use and handling may involve other or additional considerations.



Gentrol®

IGR CONCENTRATE

Supplemental Labeling

For Use to Control Bedbug Populations

EPA Reg. No. 2724-351

Directions for Use

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Important

Before using this product, read and carefully observe all applicable directions, restrictions, and Precautionary Statements on the Zoëcon® GENTROL® IGR Concentrate (GENTROL) EPA-registered label.

General Information

GENTROL®, an Insect Growth Regulator (IGR), is a synthetic juvenile hormone "look-alike" which disrupts the normal growth development of bedbugs. Bedbugs exposed to the GENTROL IGR Concentrate will become adults incapable of reproducing, thus ending the cycle of an infestation. Use GENTROL IGR Concentrate in apartment buildings, hospitals, hotels/motels, residential homes, nursing homes, and marine vessels.

Instructions For Use

Mix GENTROL IGR Concentrate with water and apply with spray or hand application equipment, such as hand-pressurized or power-operated sprayers capable of delivering spot or crack and crevice spray applications.

Dilution Preparation

For spot and crack and crevice preparations:

Use 1 ounce of GENTROL IGR Concentrate to 1 gallon of water. Partially fill the mixing container with water, add the GENTROL IGR Concentrate, shake or stir, and fill to final volume. Use diluted solution within 48 hours of mixing. Shake or stir before each use.

Spot and Crack and Crevice Applications

Apply GENTROL IGR Concentrate diluted spray solution using either a pressurized spray system capable of delivering a pinpoint or variable spray pattern or a device capable of coating evenly. Make crack and crevice applications directly to areas such as crevices, baseboards, floors, ceilings, or walls. Make spot treatments to areas such as storage areas, closets, doors, and behind and under furniture and beds. To treat bedbugs, apply to harborage points mentioned above; in addition, under beds, bottom side of box springs (do not treat linens and mattresses), under and behind night stands, to points where carpet and wall meet, cracks in cove base, molding, and other areas where bedbugs harborage.

This labeling must be in the possession of the user at the time of pesticide application.

Registrant:



Schaumburg, Illinois 60173



GENTROL® Insect Growth Regulator and Zoëcon®
GENTROL® IGR Concentrate are registered
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InVict XpressTM granular bait

**Kills Roaches, Ants*, Crickets, Mole Crickets,
Silverfish, Firebrats, and Earwigs**

**Kills Acrobat, Allegheny, Argentine, Big-headed, Cornfield,
Crazy, Ghost, Little Black, Odorous House, Pavement,
Pyramid, Rover, Thief and White-footed Ants***
*Except Carpenter, Fire, Pharaoh and Harvester Ants

**Multiple Food Attractants • For Indoor, Outdoor and Turf Use
Made in the USA**

Active Ingredient: Imidacloprid.....0.5%
Other Ingredients:.....99.5%
Total:.....100.0%

EPA Reg. No.: 73079-14
EPA Est. No.: 73079-MO-1
Net Weight: 8 oz, 4 lbs, 25 lbs

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Use Sites: In and around structures, including homes, apartments, commercial, industrial, municipal, institutional, research, recreational, health care, educational, daycare, hospitality and agricultural buildings and other man-made structures, garages, transport vehicles, sewers, animal research facilities, and food service, storage, handling and processing establishments. Turf sites include lawns, landscape beds, ornamental turf, parks, playing fields, right-of-ways, golf course greens and tee boxes, and home greenhouses.

How It Works: Roaches, crickets, silverfish, firebrats, and earwigs discover the bait while foraging and eat it and die. Worker ants* cannot eat solid food, so they pick up the bait and take it back to the nest and feed it to the larvae. The larvae digest solid food and excrete liquid food for the rest of the colony.

Outdoor Perimeter Application: Apply bait at a rate of 1/2 – 1 oz (2 - 4 tablespoons) per 100 square feet. Use a hand shaker, duster or mechanical spreader to apply the bait. Apply in a band from 1 - 3 feet wide around the perimeter of buildings. For example, a 2 foot band around a 200 linear foot building would require 8 – 16 tablespoons (1/2 – 1 cups) of bait. Also apply around exterior light fixtures and along the edges of sidewalks, patios and driveways and under decks. Pay particular attention to potential insect harborage sites such as mulch beds, flowerbeds, fruit and vegetable gardens, compost heaps, wood piles, trees, stumps and trash areas and apply bait at the more liberal application rate in these areas. In home greenhouses, apply bait on and under benches. Do not apply bait directly in flats or pots. Pets may be attracted to this product. Do not pile the bait in exposed areas. The bait may also be sprinkled in and around rodent bait stations to control insects that harbor in these stations. When treating for ants*, apply 1/2 to 1 oz of bait around ant mounds and sprinkle along foraging trails. For ants*, pay particular attention to harborage areas and apply bait around trees and stumps, in tree cavities, in and around firewood piles, around landscaping stones and in mulch beds. Ants* can take the bait back to the nest and kill the colony. Bait may also be applied in insect bait stations. Reapply bait after one week if infestation is still present. To prevent large insect populations from developing around structures in warm months, a quarterly application around the perimeter and to harborage areas, as described above, is recommended. This treatment is particularly effective to help prevent the establishment of large colonies of pest ants*. If the perimeter is treated with a repellent insecticide (eg. pyrethroid), the bait may still be used around the perimeter, but it should be applied in a band outside the repellent barrier for best results. As a separate matter from the use of this product, as part of an IPM program, it is recommended that overhanging trees and other vegetation touching the structure be trimmed back, and cracks or gaps around pipes and window and door frames be sealed to minimize potential insect entry into buildings.

Turf Application: Apply bait evenly over the affected area using a hand shaker or mechanical spreader at a rate of 4 – 8 oz per 1000 square feet or 10 - 20 lbs per acre. The product should not be watered in. For mole cricket treatments, results will be best if the area is irrigated prior to bait treatment. Mole crickets typically come to the surface to feed in the evening.

Sewer Application: Apply bait at a rate of 1 oz per 100 square feet along ledges inside sewers and around manhole covers.

Indoor Application: Apply bait only in areas inaccessible to children and pets, or in tamper-resistant bait stations. Use a hand shaker or duster to apply bait. Apply up to 0.5 oz (2 tablespoons) per crack, crevice or void, or at a rate of 0.5 oz (2 tablespoons) per 100 sq ft. Trash closets, utility closets, dropped ceilings, under and behind appliances and vending machines, in wall voids and voids under and behind cabinets, sinks and tubs, in drawer wells, garbage chutes, pipe chases, elevator pits, around drains, around electrical conduits and in cracks and crevices where insects may harbor. Focus application in areas where insects or their signs are seen. Reapply bait after one week if infestation is still present. The bait may be broadcast in unfinished attics, basements and crawlspaces provided children do not have access to these areas.

Stop - Read Label Before Use KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

FIRST AID

IF IN EYES: -Hold eye open and rinse slowly and gently with water for 15-20 minutes.
-Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
-Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 800 858 7378 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to birds and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

Personal Protective Equipment (PPE)

There are no specific requirements for applicators or other handlers, however, the following is recommended at a minimum:

-Short-sleeved shirt and long pants
-Shoes plus socks

Application tips for certain sites follow:

1. In attics, be sure to get bait near the eaves and vent pipes where insects often first enter, as well as around any pipes or potential access points between the attic and the main structure. Attics should have proper ventilation to insure that no food odor from the bait seeps into the living area, particularly in hot weather. If in doubt, apply the product in a manner such that it can be easily removed.
2. When treating cabinetry areas, if there is no gap between the lower cabinets and the kickplate, then small holes can be drilled to access the voids. Escutcheon plates around pipes can also be pulled back to allow access to voids.
3. The bottom drawers in kitchen and bathroom cabinets can be removed and bait dusted into drawer wells. No bait should be left exposed when drawers are replaced.
4. Electrical switch plate covers can be removed to allow access to voids, but bait shouldn't be applied directly in electrical boxes.
5. If there are cracks between baseboards, cabinets, doorframes, hinges, counters or trim, and walls, these cracks can be lightly dusted with bait. If practical, these areas can be sealed once insect problems have been eliminated, to help prevent future problems.
6. Insects need moisture, so kitchen and bath areas and areas immediately surrounding them, and any other damp areas should be carefully inspected and treated if necessary. As a separate matter from the use of this product, as part of an IPM program, it is advisable to fix any leaks to minimize structural damage and odors, and to prevent potential chronic insect problems.

Food Processing and Handling Establishments, Including Federally-Inspected Food Plants:

In food areas, including serving areas while the establishment is in operation, only apply bait in cracks, crevices, and other inaccessible areas, or in tamper-resistant bait stations. Never apply bait directly to a surface where food is stored, prepared or served. Follow above directions for crack and crevice placement.

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.
Pesticide Storage: Store in a dry place. Do not store where children or animals may gain access.

For 25 lb containers:

Container Handling: Non-refillable container. If empty: Do not reuse or refill this container. Place in trash or offer for recycling if available.
If partly filled: Call your local solid waste agency or 1-800-CLEANUP which is managed as a public-private partnership.

For 8 oz and 4 lb containers:

Container Handling: This storage/application container may be refilled by the end-user of the product. Do not refill with anything other than InVict Xpress Granular Bait. Do not reuse this container for anything other than InVict Xpress Granular Bait storage/application. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP which is managed as a public-private partnership.

Warranty Limitations and Disclaimer

To the extent consistent with applicable law, seller makes no warranty expressed or implied, concerning the use of this product other than as indicated on the label. Buyer accepts this material subject to these terms, and assumes all risk of usage and handling except when used or handled in accordance with this label. To the extent consistent with applicable law, there are no expressed or implied warranties of merchantability or fitness for any particular purpose, except as specifically stated herein. To the extent consistent with applicable law, manufacturer shall not be liable for any consequential damages based on the use of the product.

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Material Safety Data Sheet – InVict™ Xpress™ Granular Bait

Section 1: Identification:

Manufacturer: Rockwell Labs Ltd
1257 Bedford Ave., N Kansas City, MO 64116
Emergency: (Spills) Call CHEMTREC:

Product Name: InVict™ Xpress™ Granular Bait

Prepared By: TJF 12/13

Telephone: 816 283 3167

Domestic: 800-424-9300

Emergency: 800 858 7378

International: 730-527-3887

Section 2: Hazardous Ingredients:

(Per 29 CFR 1910.1200)

Material: Imidacloprid Technical

CAS No.	%	TWA	STEL
138261-41-3	0.5	N/A	N/A

Section 3: Composition Information: Contains Imidacloprid (0.5%) and food-grade attractants.

Section 4: First Aid Measures: Skin Contact: Remove contaminated clothing and wash with soap and water. For any persistent irritation, contact a physician. Ingestion: Contact a physician or poison control center for advice. Have person sip a glass of water, if conscious and able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Eye Contact: Flush with water for 15 minutes. For any persistent irritation, contact a physician.

Section 5: Fire Fighting Measures: Extinguishing Media: Carbon dioxide, dry powder, foam or water spray; Flash Point: N/A; Flame Extension: N/A; Auto Ignition: N/A; Flammability limits in air, % by vol: unknown; Unusual fire or explosion hazards: Can burn in fire releasing irritating and toxic gasses due to thermal decomposition or combustion; Self contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals. Other information: none

Section 6: Accidental Release Measures: Sweep up spilled material and dispose of in proper container. For large spills, shovel product into proper disposal containers and clean area with detergent and water.

Section 7: Handling and Storage: Store in closed containers, at room temperature, away from excessive heat and moisture. Do not contaminate food or feedstuffs. Store out of reach of children, pets, or wildlife. Do not store above 100 °F.

Section 8: Exposure / Personal Protection: Wash hands thoroughly after use. Rubber gloves are recommended, as with all chemicals. Ventilation: not required; Respirator: not required; Eye protection: not required.

Section 9: Physical and Chemical Properties: Vapor Pressure: N/A; Vapor Density: N/A; pH: 7.63 @ 1% in water and 23.4 °C; Viscosity: N/A; Percent Volatiles by Volume: ca. 0%; Appearance: small uniform brown/tan grains; Odor: moderate, natural; Bulk Density: 0.41 g/mL @ 23.4 °C; Solubility: N/A; Evaporation Rate: N/A

Section 10: Stability and Reactivity: Stability: stable; Material Incompatibility: none known; Hazardous Polymerization: will not occur; Hazardous Decomposition Products: hydrogen chloride and oxides of nitrogen and carbon, CO₂, and water.

Section 11: Toxicological Information: Eye Contact: may cause temporary discomfort or irritation; Skin Contact: may cause mild irritation; Inhalation: no known effects; Systemic/Other Effects: not known; Ingestion: Amount transferred to mouth by fingers, etc during normal use is not anticipated to cause injury. Carcinogenicity: NTP –not listed; IARC Monographs – not listed; OSHA - not listed; AGIH – not listed.

Section 12: Ecological Information: Do not apply directly to water or to areas where surface water is present. Do not contaminate water when disposing of product.

Section 13: Disposal Considerations: Empty containers may be discarded in trash or offered for recycling if available. Contact your local solid-waste agency for disposal of unused product.

Section 14: Transport Information: DOT Shipping Name: None required; DOT Hazard Class (49 CFR 172.101): non-hazardous; DOT Labels: not required; Freight classification: LTL Class 60

Section 15: Regulatory Information: EPA Reg. No. : 73079-14; The following substances, within this product, are designated by SARA Title III, Section 311/312 Hazard Category Immediate: imidacloprid. This product contains no substances reportable by CERCLA or SARA Title III, Section 302, 311, 312, or 313.

Section 16: Other Information: Warranty: The information provided in this Material Safety Data Sheet has been obtained from sources believed to be reliable. Rockwell Labs Ltd provides no warranties, express or implied, and assumes no responsibility for the accuracy and completeness of the data contained herein. This information is offered for your consideration and investigation. The user is responsible to ensure that they have all data relevant to their particular use.